

MODIS sensor Working Group (MsWG) Meeting Summary

July 18, 2007

Attendance: Gerhard Meister, Chris Moeller, Gary Toller, Junqiang Sun, James Kuyper, Vincent Chiang, Elena Novakovskaia, Bill Barnes, Zhengming Wan, Roy Yi, Aisheng Wu, Scott Blanchard, Jack Xiong, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Terra forward update – 5.0.6.32 (7/18/07) – m1, RVS
- Aqua forward update – 5.0.7.23 (7/18/07) – m1, RVS

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Terra Band 27 Detector 3 (Product Order) – Anomaly observed in b1/NEdT for granule 2007193.1155 (July 12,2007) during passage through the SAA region. b1 fluctuated (max 9%) for approx. 8 hours before stabilizing at a new value ~3% higher than pre-anomaly value. NEdT also fluctuated (> 2 x spec) after incident but stabilized at former value. No QA update needed at this time.
Chris asked if we know why this happens occasionally as we have seen this type of behavior before. Jack – short answer is no. If you do look at the other anomalies of this type they all tend to occur when the spacecraft is in the SAA region and also mainly to the LWIR PV bands. No specific reason is known and the incidents need to be looked at in greater detail, including analysis of RSB m1.

Item 3: MCST recent activities

- Continuing discussion of possible Collection 6 issues.
 - o Fill Value vs Interpolated L1B: Test data set is available. L1B group is awaiting response from science disciplines regarding creating a dataset with a additional detectors flagged as ‘dead’ to investigate downstream product impacts. Chris received little to no response from the atmosphere group. He will prompt again for input.
 - o Destriping: The general consensus from the last telecon was that de-stripping should be added as post-processing option. This can be accomplished as a new feature of collection 5 and thus is no longer considered a collection 6 issue. James discussed implementation approaches and the need for the disciplines to agree upon the destriping algorithm/approach. Identifying who will be tasked with writing and implementing the code and the priority of doing so is still a matter to be resolved. Gerhard – the Ocean group will not use this data so from their perspective applying the Wisconsin algorithm to all bands is acceptable. Chris – will contact Eric Vermote/land group to discuss algorithm approach.
 - o Jack requested a list of all the proposed collection 6 issues be provided at the next telecon.

Item 4: Around the Table

- Jack suggested if there is no MODIS Science team meeting this fall that a special technical workshop be held to discuss collection 6 issues/improvements with representatives of the science disciplines. He will discuss feasibility with Vince.

Next Meeting: ~Aug 1, 2007